

**Amendments to the Specification:**

Please amend page 7 of the Specification as follows:

After line 22, please insert the new paragraph  
-FIG. 3 is a block diagram representation of the system  
under test and its constituent parts.--

Please replace page 10 of the Specification with the  
following page 10. A marked up version is provided here.  
A clean replacement page 10 is also provided.

--As an example, and with specific reference to FIGURE  
3 of the drawings, assume failing tests  $T_1$  and  $T_2$ , and  
passing tests  $T_3$ ,  $T_4$  and  $T_5$ , as shown in the following  
simplified SUT 300 and test models:

Components:

$C_1$  301: Subcomponents: None

$C_2$  302: Subcomponents:  $sc_2$  303,  $sc_3$  304,  $sc_4$  305

Shared Functions:

$sf1 = \{(C_1 \text{ } \underline{301}, 0.6)\}$

$sf2 = \{(C_2 \text{ } \underline{302}::sc_2 \text{ } \underline{303}, 0.4)\}$

$sf3 = \{(C_2 \text{ } \underline{302}::sc_3 \text{ } \underline{303}, 0.3)\}$

$sf4 = \{(C_2 \text{ } \underline{302}::sc_3 \text{ } \underline{303}, 0.6)\}$

Tests:

$T_1 = \{sf1, sf3\}$ ; Result = Fail

$T_2 = \{sf1, sf2, sf4, (C_2 \text{ } \underline{302}::sc_4 \text{ } \underline{305}, 0.7)\}$ ;

Result = Fail

$T_3 = \{sf1, sf4, (C_2 \underline{302}::sc_2 \underline{303}, 0.4), (C_2 \underline{302}::sc_3 \underline{304}, 0.5), (C_2::sc_4, 0.2)\};$

Result = Pass

$T_4 = \{sf3, (C_1 \underline{301}, 0.9)\};$  Result = Pass

$T_5 = \{sf1, sf2\};$  Result = Pass--